

ABSTRACT

The present invention relates to a non-plowing method for establishing vegetation on at least partially denuded land comprising the steps of: (a) laying out a continuous layer of nutrient matrix directly on said at least partially denuded land, said layer of nutrient matrix containing water and nutrient contents necessary for the growth of plants; (b) sowing plant seeds on the top surface of said at least partially denuded land before said layer of nutrient matrix is laid out, or sowing plant seeds into said layer of nutrient matrix after it is laid out, or mixing plant seeds with the constituents of said layer of nutrient matrix and laying out together with said layer of nutrient matrix; (c) establishing an artificial vegetable cover on said at least partially denuded land by supplying said plant seeds water and nutrient contents in said layer of nutrient matrix to sustain their growth. The method in the present invention requires no ditching and pitting, thus preserves the original topographic layer of a desert or arid land, and then can be widely used for its high survival rate and excellent vegetation performance.